



Contents

· Amina News

. The LM.P. is our of the bottle 6



ARGUS PRESS

. Play it again Sam

* Maxinlan

 Amiga Games 19



. How to get it



Amiga News

The Personal Computer World Show saw the necessary of a large rouse of new pames for the Amiga and there's lots more besides. Anne Owen brings



Arriga 2000.

MAMY, Issueches the Sunwood



YOUR AMIGA inneary 1989

The I.M.P. is out of the bottle

For all you building artists get to grips with the image

By Lewis Tilley

at the name levels of excellence if weeds and figures have arbitred.

After you have read these about the way of program the Diffuse.

Digit-free and Day Orane, you mappe may still reflect your see knowledge and table of art, but it will be car't date as straight here.

don't have anything about an It of how what you like, can learn manifester means with the for

that painting and drawing soft ware bless. Since Defaux Point II has be as on bought be over 1975 of Amiga owner at 1875 of paint productional paint productional paint programs.

Defence Paint II





A word on morner

The sitty gritty of Key Carrenoph



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Amiga Graphics

the full with the help of these new

graphics packages. By Anne Owen

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same Delay Paint 2 Paint 600.05 Marking Aming



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Play it again Sam

If Basic is your native language then the Amiga offers alternatives to the bundled Microsoft version.

By Anne Owen

If you are developing software for the Amiga then SAM Basic is one abremative you regist consider, especially if you require multi-tasking support.

3AM Basic programs can be

consist in any sein either, including, and III or IDIT or a weedprocessor-which produces ASCII. An either package. The ASCII owings from an editor in submissed and the code opinious before see.

There are two versions of SAM indice, the checkegeness receives and as can be described as to the top of the analysis of the control of the c

distribution it can be producted. As time it also alone to represent the program and the program can be ren by officially as in it soon.

Development is aided by HLLP—which opens a window with keyword system and sweaps, WHY which produces a second level of error seesage, PORCE EREOR, ERI.

LEN. IES (curve lass, samber and aggreent) and RENUMBER. LEY

winesteen are available to BLDEAT, LIVTIL, WHILE, O BLDCK, LIND BLOCK Yeas a procedure, DEFINE LARE then GOTO or GOOM to that from whome your program BETUEN a value. Sam Basic allows corresis task's to baseled. This is important because the language in large, a certain custration in not required.

because the language is large, and certain extension is not inquired. It is to discarded with Kills. There's heatine which can be used for width a prantigalar extension is present you, it can be added on love tick looks like this:

If NOT (EXTENSION) graphics' THESE EXTEND WITH "sandon

while decoloping.

LM Busic contains a hard corual functions and keywers any more available as extenas to know that windows can be open \$\frac{1}{2}\$, and taken. Up to thirty-trop could all

as means can be defined, each received
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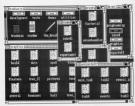
or \$\frac{1}{2}\$ to interpret by

or \$\frac{1}{2}\$ to the context b

It was impressed by the way 5. Brain baselies from antivision. Legwords are smoothly initialized. Average Area (2014). Description of the antivision of the

sering fora. READELL reads at trans. OUTPS I's rederent obtation. OUTPS I's rederent obtafor or device, a.g. a printer. SAM Basic control graphics operate layworks and shape tables ample and vitral agente, redetored demonstrated desirings. If I's including Hold and Modelly including Hold and Modelly including Hold and Modelly including Hold and Modelly waller I's rederent and I had a waller to a fast. Path Same and the series of the International Conference on Safe, Path Safekel can be CLEARGH for its re-TRANSFERGE to the series. Series can be care as fast. Path

WHITE AMEGA INCOME.



domped to a printer. Forti and spacing can be define

SAN Busic has a feature known a suprocess. These are separate 5-M basic progress (sp. to 23) defined by the main program. Any segment see to evirused with the command USS or sugment name v. SAM Busic the goes on interpreting from last 1 of the sugment. Each sugment has to be terrated as a separate program, has

of SAM Base is in ability to astivuand manage a number of tasks at if same time. Muhi tasking is usually if domain of AmigaDOS but SAM Buprovides commands. Etc. TASKIN ON/OFF, DEFINE TASK, T TASK, HOLD and SLEEP, Ti completion, or porhage tersurged a take only to return. It is left to the programmer track of which tends are "ope although there are covered TANK STATUS to body. The other foreages which social which programming. Bade nery FEE — which give same information. It, free barrel UCASES and L.CASE.

seefal while programming Basic near FEE. which gives signs information, i.e. how have upon information and UCASSS and UCASSS to apper/ower case in stri TRIMS tries spaces, CSRU. PGS read the curved curior. The only caregory which SAM Basic wark was swipperty, e.g. there is no equivalent to the control of the Control of

The only entrapery which I fs SAM Basic near year sweet speech, e.g. there is no equivalent discussifix TRANSLATES w 'ppeaks' from a string of phoquithols.

SAM Package

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Name SAM Rais Price 18059. Machine Aniya Supplier Parkway Considerts Tel: 6707 371616.



Maxiplan

Already an established spreadsheet for the Amiga with database and graphies features, the Maxiplan has now

come a macro langu

M axiplan has in fact evolved into two suprate programs, Maxiplan 500 for 512K machines at E169 and Maxiplas plus, with a macro programming bengange, or 109. If you use as 512K machine then don't te the later, it must be latega thesis

try the latter, it mans has large above are not possible and other features as real pixels.

The latter is latter in l

Demonst single and is on.

Creating a sheet is made easy by
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codame insert and delete. The
eightouch, which is and for copying,
and faculture in the control of the
complete their to the row. Operators
and faculture are easy
and faculture are easy
and faculture and the
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password of recessary.

Data can be corrected from

detail, is available from pullmorau. When opening, saving deleting a short, you can click drawers or files displayed in a win or type in the file specification Macrosheris, datasheris are sustained can be sensibly kept separate doswers.

colourful and accurately labelled. Available size line, pie, bur, 3D but, area, 3/24, stack bur, step and bi-do charts. They can be sent to the printer or to an BW file for transfer into



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repression handling, up to 16 character is
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The Debugge

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outended notes attached which can be displayed or both.

Plus Factor

Maniplus contains a wide functions ranging from A and COUNT retaining

logical, date and mathematic functions and statistical functions is the database, e.g. DSUM a DAVEBAGE. The triposcenet functions include (A)COS, (A)TA sorfel looking finetisten outh an CHIOON, shells release to one a tot, collective, which their a white in each of the collective, which their a white in each of the collective of the collective of the collective of the collective of their collect

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is ceiling help for each recess and of tast.

The downside the use of a citil showed down some operations a and passe tailbuigh exiting it is cance for this. There was any of five mouses clubs.

minimum of five monor clocks requirement for each worksheet that I worked to open from the data disk in drive I.

In general I found Maniplan Plan responsive and class entry very easy because of the studiest area residence. Key peros equivatest are available to many of the mono options.

The grapes accept impressive and the macro language comprehensive, which makes Manjolan Plan an all-resident for coating, planning and document production of all kinds. The overall impression in of a prefessionally produced and supported product.

revealment of a Macrophan Pale and a Marchan Pale and America Supplier MOT Software U.S.

Maniplas Plan manual is good on tassival and them Pandance Oxid Nov. P.D the 1986 (casuaples on the data disk. Julieron. C45064 Feb 19459011)

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"Standard Well only precision or an Amaga would be terrible masse." We had had his is made when they provident Kengle Unit, advent are supporting fast graphics, when an exposting fast graphics, advent are supporting fast graphics, and the masse — it is done may be fined adventure, game the the studies adventure, game the the studies sensed where you plus one of the his gays. It will be come, it is a landshoome. Of

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makes the game move maddens after all, no coto blee to be cater their own seeings do their?

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from 1/2 to WF and can range from that to C sharp. Just below this is the servell bire, you odd music, it is other necessary more about the solver that you morking on, and the scroll bur in this a very evey task. If, for instanyou want to jump to the middle of section, you must place the bur in

middle of the scrall but - it is an easy a pushing the mouse!

At the bottoes of the screen are the general "controls" such as Votanie Europe. Transpace and Turn Transpace in useful, should you wan to quickly beat the results of a key transposition, it is said if for working out which harmony or choof to sai!

is noting you are building up from just a misking.

The three issues for Play, Shap and Eppara are send to control the mask objecting. The floor business separated half of the available instruments. However, the control business that for the available instruments. However, the control business that for the available instruments in the floor to business directly one have observed. Hyperbusiness senses on the floor includers, the control business are supported to the control business.

and a MIDI patch, more of which later.

Keying in music is an ximple as point to the speaked hold on the middle late, clicking the icon, and moving the salected shape coas the right line!

Notes that are not long for the har

area to the east for the first control as specified. Amonthigh, there is no she specified, mether is there any way obsuring two notes supprise except by timing two notes over as hard. Thus is an ancions ordinates, expectally with certain pieces of mank, as all some of dynamics can be lost.

Some of the more counted modern notation syntholous are not supported,

symbols are supported within the branches certainly liber is enough to branches most pieces of masic across them paper to companier. Like the Wood Processor, gettind the motes into sensitively is only half or what can be done. Whole sections in music can be copied and transfered from but to but so sed as force stave to the control of the solution of the control of them but to but so sed as force stave to the control of the solution of the control of them but to but so sed as force stave the section of the control of the control of them that to but so sed as force stave the them that to but so sed as force stave the section of the control of the

key in.

The Amiga as a Synthesizer
Activ Sceta can also believe as if

over the warment to be considered as common debug; appet from respective with a LPO face or option there is a harmonic adjusted and combing every powerful editing fencions to be made to the general mand.

Base warnform include the usual square, size, triangle, and meny top

stipped off and used with other fee and with different pushing as the second of the se

and Japiner for came but a few-clar machines (sees this rex).

Argis Sorie, era accept Miadamantice as an incoming algosome cars also send data to extenquarbasizers with the interface, as we a MEDI controlled (or machinal internances including my good (affeld down machine, the Sequent

Then are no problems with of interfaces as there in a Contantal Assign MIDI interface standard. T said, the Minutes MIDI interface standard implementation and we beautifulty.

Having had the pool fermine of virgin Aprils Station can to the Versichs, DX7 - the archeryped MIDI key hands DX7 - the archeryped MIDI key hand — I may pleaned indoversation, times that one internet as a french beit path thought as well Outsire changes, with thought as well Outsire changes, with the path of the control of the path thought as well Outsire changes, with the path beat of primary and wors. The pitch bond options are all occupieds MIDI specification as far on the DX7 in concerned.

Argis Soris is a remarkal irraightforward package; is demonstration programs are pood, albeit a likel too "poppy". To remeds supplied with three program as good, albeit a likel to sort their bear processed on the program of the a liste mass suppressed if they we never realistic, especially left Planos in the Sacophone which are sorted Argis Soris they are corollore in particularly or feet with the me combined to and in overfasts come combined to all in overfasts come.

entry system, especially if you a particularly ow feet with the symbols sand in twestieth is musical notation forms. Argais, by contant, very straightfbecause all you have to do in p contour on the line, and click left has urann to lay it down.
There are plenty of features white nable cutting and passing, probabegas Social's strongest point.
Fifes are saved in the SMI, overast, making there are yo import.

oncluding Argis Sonis

all, this package is an excellent adaption to writing music with things. Music notation ends up a re or loss real music notation – with

more or loss real music notation—with a few cutra bies specifying instances it acutes and no on.— This is a good package, perhaps one of the best overall music package. I have seen in a long time. It is MIDA commarish and can send right

I have seen in a long time. It is MIDI comparible and can seed eight channels of MIDI information at a time – not the full information at a time – not the full statems channels a guarat you, but eight channels of MIDI information are more than enough for many peoples applications.

Dehroe Munic Construction Set

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On a slightly different level in the
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Delavate Music Construction field from
Delavated residence of the condustation of music neutron sets from
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The contraction of the cortext are one time.

met po doen lew recough flick to viole, it has a fill MIDI driving capability and own perty assuing general reade of the great reader in the track of the matter in that the political reader in the same political reader in the same political reader in the same political reader in the same of a political reader in the same of the political reader in the political reader. It is second only to the political reader in the political reader in the political reader.

has a few nito facilities when it come to connecting the Amiga to MII institutions. There are no infrare patches to be see, no "openion instation feature to be see, no "openion instation feature to be deduct to 1 beginning of the music. Deliane Mix Constantion on the an happy to see MIID information as it to with its or

Unlike Argin Scorether was



Concluding Deluxe Music

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